

FORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 1 of 4

Docket No. P8316-US-NP

Applicant:

Alexander T. Garthwaite

Serial No:

10/679,559

Filed:

October 6, 2003

For:

CONCURRENT NON-INSTUSIVE PROCESSING OF A CARD TABLE

SUMMARIZING MODIFIED REFERENCE LOCATIONS

Examiner:

Not Yet Assigned James Golden 2818 2187

Art Unit:

	U.S. PATENT DOCUMENTS						
Exam Inits	Cite No.	Patent Number	Kind Code	Patentee or Applicant Name	Issue Date		
JG		20040003014	A1	NAGARAJAN, ET AL	01/01/04		
JG		5,920,876	B1	UNGAR, ET AL.	07/06/99		
JG		6,115,782	B1	WOLCZKO, ET AL.	09/05/00		
JG		6,148,310	B1	AZAGURY, ET AL.	11/14/00		
JG		6,173,294	B1	AZAGURY, ET AL.	01/09/01		
JG	1	6,185,581	B1	GARTHWAITE	02/06/01		
JG		6,226,653	B1	ALPERN, ET AL.	05/01/01		
JG		6,243,720	B1	MUNTER, ET AL	06/05/01		
JG		6,308,185	B1	GRARUP, ET AL.	10/23/01		
JG	1	6,363,403	B1	ROY, ET AL.	03/26/02		
JG	<u> </u>	6,381,738	B1	CHOI, ET AL.	04/30/02		
JG		6,424,977	B1	GARTHWAITE	07/23/02		
JG		6,453,466	B1	EIDT, ET AL.	09/17/02		
JG		6,457,019	B1	SEXTON, ET AL.	09/24/02		
JG		6,490,599	B1	KOLODNER, ET AL.	12/03/02		
JG		6,826,757	B1	STEELE, ET AL.	11/30/04		
JG		6,845,437	B1	BORMAN, ET AL.	01/25/05		
JG		6,868,488	B1	GARTHWAITE	03/15/05		
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FOREIGN PATENT DOCUMENTS							
Exam Inits	Cite No.	Су	Number	Kind Code	Patentee or Applicant Name	Publication Date	Т
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Examiner	/James Golden/	Date	05/16/2006
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	01	THER PRIOR ART - NON PATENT LITERATURE AND DOCUMENTS	
Exam Inits	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
JG		APPEL, "Simple Generational Garbage Collection and Fast Allocation", Software Practice and Experience, 19(2), 1989, 171-183	
JG		APPEL, ET AL., "Real-Time Concurrent Collection on Stock Multiprocessors", ACM SIGPLAN Notices, 1988	
JG		BACON, ET AL., "Java without the Coffee Breaks: A nonintrusive Multiprocessor Garbage Collector", SIGPLAN Conference on Programming Language Design and Implementation, June 2001, Snowbird, UT	
JG		BAKER, "List Processing in Real Time on a Serial Computer", Communications of the ACM 21, April 1978, 280-294	
JG		BROOKS, "Trading Data Space for Reduced Time and Code Space in Real- Time Garbage Collection on Stock Hardware", Proceedings of the 1984 Acm Symposium on Lisp and Funcional Programming, August 1984, 108-113, Austin, TX	
JG		CHILIMBI, ET AL., "Using Generational Garbage Collection to Implement Cache-Conscious Data Placement", International Symposium on Memory Management, October 1998	
JG		CLARK, ET AL., "Compacting Garbage Collection can be Fast and Simple", Software-Practice and Experience, Vol. 26, No. 2, February 1996, 177-194	
JG		COURTS, "Improving Locality of Reference in a Garbage-Collecting Memory Management System", Communications of the ACM, Vol. 31, No. 9, September 1988, 1128-1138	
JG		HERLIHY, ET AL., "Lock-Free Garbage Collection for Multiprocessors", ACM SPAA, 1991, 229-236	

TOTAL	Date Considered	05/16/2006
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 3 of 4

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JG		HOLZLE, URS, "A Fast Write Barrier for Generational Garbage Collectors", Workshop on Garbage Collection in Object Oriented Systems, October 1993	
JG		HOSKING, ET AL., "Remembered Sets Can Also Play Cards", OOPSLA/ECOOP Workshop on Garbage Collection in Object-Oriented Systems, October 1993	
JG		HOSKING, ET AL., "Protection Traps and Alternatives for Memory Management of an Object-Oriented Language", Object Systems Laboratory, December 1993, 1-14, Dept. of Comp. Sci., Amherst, MA	
JG		HUDSON, ET AL., "Adaptive Garbage Collection for Modula-3 and Small Talk", OOPSLA.ECOOP '90 Workshop on Garbage Collection in Object-Oriented Systems, October 27, 1990	
JG		HUDSON, ET AL., "Sapphire: Copying GC Without Stopping the World", Java Grande/ISCOPE, 2001	
JG		JONES AND LINS, "Garbage Collection: Algorithms for Automatic Dynamic Memory Management", 1996, 165-179, John Wiley and Sons, NY	
JG		LIEBERMAN, ET AL., "A Real-Time Garbage Collector Based on the Lifetimes of Objects", Communications of the ACM, 1983, 26(6)	
JG		MOON, "Garbage Collection in a Large Lisp System", Conference Record of the 1984 ACM Symposium on LISP and Functional Programming, August 1984, 235-246, Austin, TX	
JG		NETTLES, SCOTT, "Real-Time Replication Garbage Collection", Avionics Lab, Wright Research and Development Center, 1993, PDDI	

Examiner /James Golden/ Signature	Date Considered	05/16/2006
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JG		SOBALVARRO, "A Lifetime-based Garbage Collector for LISP Systems on General-Purpose Computers", Department of Electrical Engineering and Computer Science at MIT, September 1988, AITR-1417	
JG		STAMOS, "Static Grouping of Small Objects to Enhance Performance of a Paged Virtual Memory", ACM Transactions on Computer Systems, Vol. 2, No. 2, May 1984, 155-180	
JG		UNGAR, "Generation Scavenging: A Non-Disruptive High Performance Storage Reclaration Algorithm", ACM SIGPLAN Notices, April 1984, 19(5)	
JG		WITHINGTON, P.T., "How Real is "Real-Time" GC?", Symbolics, Inc., October 6, 1991, Burlington, MA	
JG		ZORN, BENJAMIN, "Barrier Methods for Garbage Collection", Dept. of Computer Science, Uni. of Colorado, November 1990, 1-37, Boulder	
JG		HOSKING, ET AL., "A Comparative Performance Evaluation of Write Barrier Implementations", OOPSLA; ACM Conference on Object-Oriented Systems, Languages and Applications, October 1992, V. 27(10), ACM Press, Vancouver, Canada	
JG		LAM, ET AL., "Object Type Directed Garbage Collection to Improve Locality", Proceedings of the International Workshop on Memory Management, September 1992, 404-425, St. Malo, France	
JG		PIRINEN, PEKKA, "Barrier Techniques for Incremental Tracing", Harlequin Limited, Date Unknown, 20-25, Cambridge, Great Britain	
JG		WILSON, ET AL., "Effective Static-Graph Reorganization to Improve Locality in Garbage Collected Systems", Proceedings of ACM SIGPLAN Conference on Programming Language Design and Implementation, June 1991, Canada	
JG		DETLEFS, ET AL., "Concurrent Remembered Set Refinement in Generational Garbage Collection", Proceedings of the USENIX Java VM '02 Conference, August 1-2, 2002, 14 pages, San Francisco, CA, USA.	

Signature Considered 03/16/2006	Examiner Signature	/James Golden/	Date Considered	05/16/2006
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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN EXAMPLICATION				Docket Number (Optional) SMY-087.01 Applicant			Application Number 10/679,559			
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				, "Incremental Mature Garbag						
JG	AA	August 1993								
JG		Richard L. Hudson and J. El	liot B. M	loss, "Incremental Collection of	of Mature Objects", Proceed	ings of the l	nternational Work	shop on Memo		
00	AB	Management 1992, Springer	r-Verlag.		•	_		•	•	
JG		Jacob Seligmann & Steffen	Grarup. '	"Incremental Mature Garbage	Collection Using The Train	Algorithm".	European Confer	rence on Object	-	
	AC	Oriented Programming 1995				,				
	+-	Paul Wilson "Uninrocessor	Garhage	e Collection Techniques", Inter	national Workshop on Mem	ory Manage	ment Springer-V	erlag 1992		
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EXAMINER:	Initi	al if citation considered, w	hether o	or not citation is in conform	ance with MPEP § 609;	Draw line	through citation	if not in		
conformance s	uid N	oi considered. Include cop	oy or thi	is form with next communic	ation to the applicant.					
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